

II. Listing of Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. – 23. (Cancelled)

24. (new) A system for use in a well bore that penetrates a formation, the system comprising:

- a screening device for supporting a gravel pack in the wellbore;

- a tool adapted for insertion in the wellbore;

- a sensor mounted to the tool for sensing scale accumulation on the screening device and outputting a signal when the scale accumulation exceeds a predetermined value;

- a driver mounted on the tool for supplying electrical power when it is activated;

- a microprocessor mounted on the tool and responsive to the signal for activating the driver; and

- a transducer mounted on the tool and adapted to vibrate in response to the supply of electrical power when the driver is activated to remove the scale from the screening device and stimulate the formation.

25. (new) The system of claim 24 wherein the transducer is selected from the group consisting of a tuning fork, a cantilever, an oval-mode tool, a magnetostrictive driver, and a piezoelectric transducer.

26. (new) A method for use in a well bore penetrating a formation, the method comprising:

- supporting a gravel pack in the wellbore by a screening device;

- sensing scale accumulation on the screening device;

- outputting a signal in response to the scale accumulation exceeding a predetermined value;

responding to the signal and activating a source of electrical power; and
vibrating a transducer in the well bore in response to the activation of the
electrical power source to remove the scale from the screening device and stimulate the
formation.

27. (new) A method for use in a well bore penetrating a formation, the method
comprising:

- supporting a gravel pack in the wellbore by a screening device;
- sensing scale accumulation on the screening device;
- vibrating a transducer in the well bore to remove scale from the screening device;
- monitoring fluid pressure in the well bore;
- monitoring the rate of vibration of the transducer;
- calculating the cumulative skin factor of the well bore based on the monitored
pressure and rate of vibration; and
- terminating the vibration when the skin factor levels off below a predetermined
value indicating that a corresponding amount of cleaning has taken place.